

TR1-72-73
R. 300

MOINA TUNGSTEN TIN MINING CO.

SIZING ANALYSIS AND MAGNETIC SEPARATION

A sample of table wolfram concentrate was submitted for sizing analysis, assays of tin and tungstic oxide in sized fractions, and a check on mill magnetic separation. Ninety-nine point eight per cent of the sample was magnetic, with little distinction as to magnetic susceptibility, indicating no prospect of variations to separation.

The tin contents of the fractions vary from 0.92 to 2.0 per cent. The mill product is of marketable quality.

Sizing Analysis

B.S.		Per cent		Per cent Dist.	
Fraction	Wght.	Sn	WO ₃	Sn	WO ₃
+ 30	0.2	0.92	70.1	14.2	22.3
+ 44	3.2				
+ 52	10.8				
+ 60	8.3				
+ 72	14.9	1.32	70.3	31.3	34.5
+ 85	10.8				
+ 100	9.0				
+ 150	25.5	2.0	70.3	34.9	25.4
+ 200	8.9	1.7	72.2	10.3	9.1
- 200	8.4	1.62	72.9	9.3	8.7
Composite	100.0	1.46	70.65	100.0	100.0